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<110> STRITTMATTER, STEPHEN M.
CATE, RICHARD L.
SAH, DINAH W.Y.

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		275				280						285			
Xaa	Xaa	Pro	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
		290				295					300				
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
305					310					315					320
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Gly	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
				325					330					335	
Xaa	Xaa	Xaa	Xaa	Xaa	Pro	Pro	Xaa	Xaa	Xaa	Ser	Xaa	Xaa	Xaa	Xaa	Xaa
				340				345					350		
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
			355				360					365			
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
			370				375				380				
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Arg

Tyr Leu Tyr Leu Gln Glu Asn Ser Leu Leu His Leu Gln Asp Asp Leu
 130 135 140
 Phe Ala Asp Leu Ala Asn Leu Ser His Leu Phe Leu His Gly Asn Arg
 145 150 155 160
 Leu Arg Leu Leu Thr Glu His Val Phe Arg Gly Leu Gly Ser Leu Asp
 165 170 175
 Arg Leu Leu Leu His Gly Asn Arg Leu Gln Gly Val His Arg Ala Ala
 180 185 190
 Phe Arg Gly Leu Ser Arg Leu Thr Ile Leu Tyr Leu Phe Asn Asn Ser
 195 200 205
 Leu Ala Ser Leu Pro Gly Glu Ala Leu Ala Asp Leu Pro Ser Leu Glu
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 Phe Leu Arg Leu Asn Ala Asn Pro Trp Ala Cys Asp Cys Arg Ala Arg
 225 230 235 240
 Pro Leu Trp Ala Trp Phe Gln Arg Ala Arg Val Ser Ser Ser Asp Val
 245 250 255
 Thr Cys Ala Thr Pro Pro Glu Arg Gln Gly Arg Asp Leu Arg Ala Leu
 260 265 270
 Arg Glu Ala Asp Phe Gln Ala Cys Pro Pro Ala Ala Pro Thr Arg Pro
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 Gly Ser Arg Ala Arg Gly Asn Ser Ser Ser Asn His Leu Tyr Gly Val
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 Ala Glu Ala Gly Ala Pro Pro Ala Asp Pro Ser Thr Leu Tyr Arg Asp
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 Leu Pro Ala Glu Asp Ser Arg Gly Arg Gln Gly Gly Asp Ala Pro Thr
 325 330 335
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 Gln Met Cys Pro Gly Ala Ala Cys Gln Ala Pro Pro Asp Ser Arg Gly
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His	Phe	Ser	Pro	Ala	Met	Val	Thr	Leu	Trp	Ile	Tyr	Ser	Asn	Asn	Ile	50	55	60
Thr	Phe	Ile	Ala	Pro	Asn	Thr	Phe	Glu	Gly	Phe	Val	His	Leu	Glu	Glu	65	70	75
Leu	Asp	Leu	Gly	Asp	Asn	Arg	Gln	Leu	Arg	Thr	Leu	Ala	Pro	Glu	Thr	85	90	95
Phe	Gln	Gly	Leu	Val	Lys	Leu	His	Ala	Leu	Tyr	Leu	Tyr	Lys	Cys	Gly	100	105	110
Leu	Ser	Ala	Leu	Pro	Ala	Gly	Ile	Phe	Gly	Gly	Leu	His	Ser	Leu	Gln	115	120	125
Tyr	Leu	Tyr	Leu	Gln	Asp	Asn	His	Ile	Glu	Tyr	Leu	Gln	Asp	Asp	Ile	130	135	140
Phe	Val	Asp	Leu	Val	Asn	Leu	Ser	His	Leu	Phe	Leu	His	Gly	Asn	Lys	145	150	155
Leu	Trp	Ser	Leu	Gly	Gln	Gly	Ile	Phe	Arg	Gly	Leu	Val	Asn	Leu	Asp	165	170	175
Arg	Leu	Leu	Leu	His	Glu	Asn	Gln	Leu	Gln	Trp	Val	His	His	Lys	Ala	180	185	190
Phe	His	Asp	Leu	His	Arg	Leu	Thr	Thr	Leu	Phe	Leu	Phe	Asn	Asn	Ser	195	200	205
Leu	Thr	Glu	Leu	Gln	Gly	Asp	Cys	Leu	Ala	Pro	Leu	Val	Ala	Leu	Glu	210	215	220
Phe	Leu	Arg	Leu	Asn	Gly	Asn	Ala	Trp	Asp	Cys	Gly	Cys	Arg	Ala	Arg	225	230	235
Ser	Leu	Trp	Glu	Trp	Leu	Arg	Arg	Phe	Arg	Gly	Ser	Ser	Ser	Ala	Val	245	250	255
Pro	Cys	Ala	Thr	Pro	Glu	Leu	Arg	Gln	Gly	Gln	Asp	Leu	Lys	Leu	Leu	260	265	270
Arg	Val	Glu	Asp	Phe	Arg	Asn	Cys	Thr	Gly	Pro	Val	Ser	Pro	His	Gln	275	280	285
Ile	Lys	Ser	His	Thr	Leu	Thr	Thr	Ser	Asp	Arg	Ala	Ala	Arg	Lys	Glu	290	295	300
His	His	Pro	Ser	His	Gly	Ala	Ser	Arg	Asp	Lys	Gly	His	Pro	His	Gly	305	310	315
His	Pro	Pro	Gly	Ser	Arg	Ser	Gly	Tyr	Lys	Lys	Ala	Gly	Lys	Asn	Cys	325	330	335
Thr	Ser	His	Arg	Asn	Arg	Asn	Gln	Ile	Ser	Lys	Val	Ser	Ser	Gly	Lys	340	345	350
Glu	Leu	Thr	Glu	Leu	Gln	Asp	Tyr	Ala	Pro	Asp	Tyr	Gln	His	Lys	Phe	355	360	365
Ser	Phe	Asp	Ile	Met	Pro	Thr	Ala	Arg	Pro	Lys	Arg	Lys	Gly	Lys	Cys			

370 375 380

Ala Arg Arg Thr Pro Ile Arg Ala Pro Ser Gly Val Gln Gln Ala Ser
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Ala Val Thr Leu Arg
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 20 25 30
 Xaa Xaa Xaa Ile Xaa Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa Leu Glu
 35 40 45
 Xaa Leu Asp Leu Xaa Asp Asn Xaa Xaa Leu Arg Xaa Xaa Xaa Pro Xaa
 50 55 60
 Thr Phe Xaa Gly Leu Xaa Xaa Leu Xaa Leu Xaa Leu Xaa Xaa Cys Xaa
 65 70 75 80
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 85 90 95
 Tyr Leu Tyr Leu Gln Xaa Asn Xaa Xaa Xaa Xaa Leu Xaa Asp Asp Xaa
 100 105 110
 Phe Xaa Asp Leu Xaa Asn Leu Xaa His Leu Phe Leu His Gly Asn Xaa
 115 120 125
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Phe Arg Gly Leu Xaa Xaa Leu Asp
 130 135 140
 Arg Leu Leu Leu His Xaa Asn Xaa Xaa Xaa Xaa Val His Xaa Xaa Ala
 145 150 155 160
 Phe Xaa Xaa Leu Xaa Arg Leu Xaa Xaa Leu Xaa Leu Phe Xaa Asn Xaa
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 Leu Xaa Xaa Leu Xaa Xaa Xaa Xaa Leu Ala Xaa Leu Xaa Xaa Leu Xaa
 180 185 190
 Xaa Leu Arg Leu
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Trp Ile Tyr Ser Asn Asn Ile Thr Tyr Ile His Pro Ser Thr Phe Glu
      35             40             45

Gly Phe Val His Leu Glu Glu Leu Asp Leu Gly Asp Asn Arg Gln Leu
      50             55             60

Arg Thr Leu Ala Pro Glu Thr Phe Gln Gly Leu Val Lys Leu His Ala
      65             70             75             80

Leu Tyr Leu Tyr Lys Cys Gly Leu Ser Ala Leu Pro Ala Gly Val Phe
      85             90             95

Gly Gly Leu His Ser Leu Gln Tyr Leu Tyr Leu Gln Asp Asn His Ile
      100            105            110

Glu Tyr Leu Gln Asp Asp Ile Phe Val Asp Leu Val Asn Leu Ser His
      115            120            125

Leu Phe Leu His Gly Asn Lys Leu Trp Ser Leu Gly Pro Gly Thr Phe
      130            135            140

Arg Gly Leu Val Asn Leu Asp Arg Leu Leu Leu His Glu Asn Gln Leu
      145            150            155            160

Gln Trp Val His His Lys Ala Phe His Asp Leu Arg Arg Leu Thr Thr
      165            170            175

Leu Phe Leu Phe Asn Asn Ser Leu Ser Glu Leu Gln Gly Glu Cys Leu
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Ala Pro Leu Gly Ala Leu Glu Phe Leu Arg Leu Asn Gly Asn Pro Trp
      195            200            205

Asp Cys Gly Cys Arg Ala Arg Ser Leu Trp Glu Trp Leu Gln Arg Phe
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Arg Gly Ser Ser Ser Ala Val Pro Cys Val Ser Pro Gly Leu Arg His

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 Asp Arg Ala Ala Arg Lys Glu His His Ser Pro His Gly Pro Thr Arg
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 Lys Asn Cys Thr Asn Pro Arg Asn Arg Asn Gln Ile Ser Lys Ala Gly
 305 310 315 320
 Ala Gly Lys Gln Ala Pro Glu Leu Pro Asp Tyr Ala Pro Asp Tyr Gln
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 His Lys Phe Ser Phe Asp Ile Met Pro Thr Ala Arg Pro Lys Arg Lys
 340 345 350
 Gly Lys Cys Ala Arg Arg Thr Pro Ile Arg Ala Pro Ser Gly Val Gln
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